



# **VISTA – 10SEa**

## **TECHNICAL TRAINING**

*The Best in Security plus  
Everyday Convenience & Control*

# **VISTA – 10a**

## **Training Guide Index**

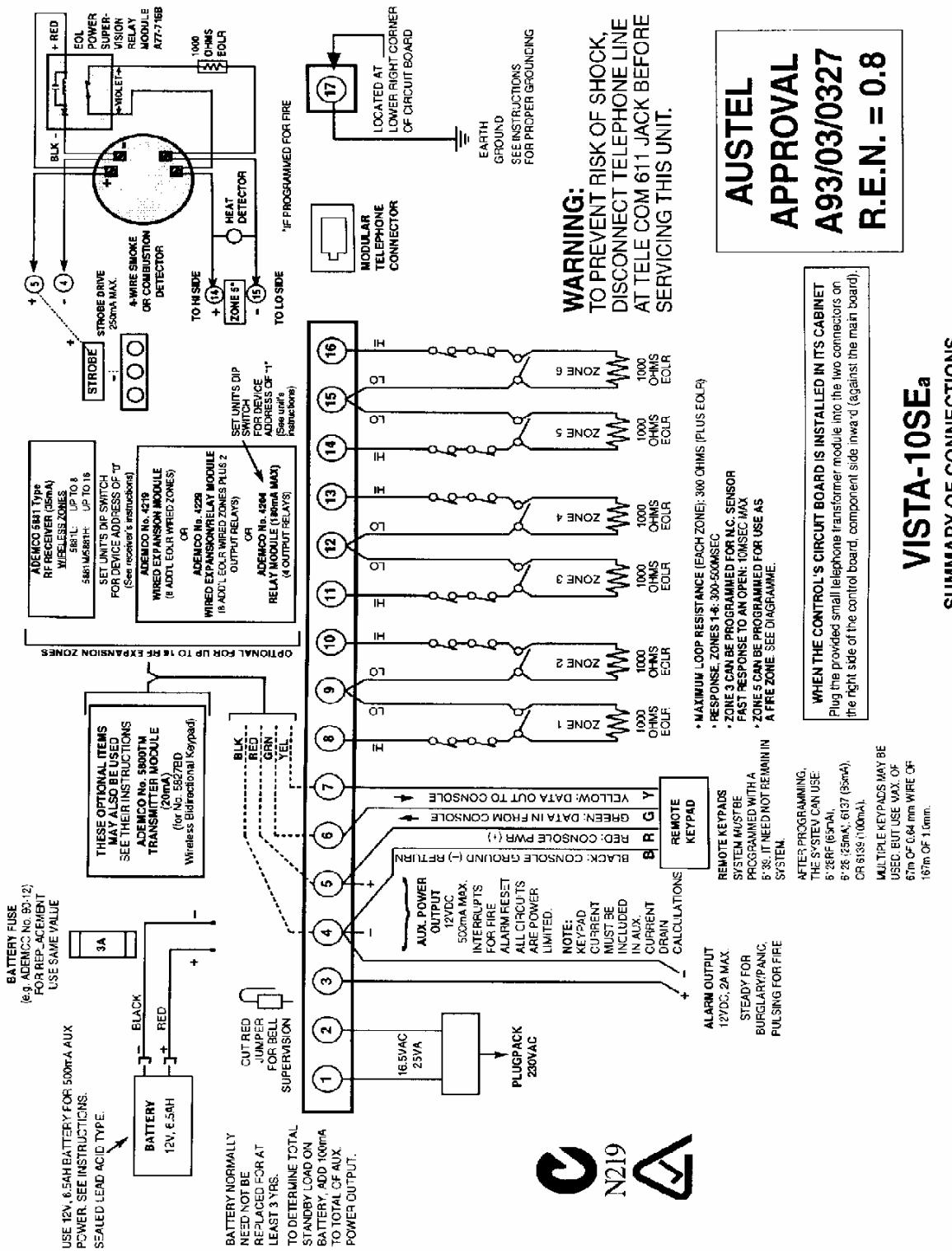
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# **VISTA 10a**

## **Basic Panel Features**

- 6 Hardwired Zones – standard
- Expands to 22 Zones
  - Max 14 Zones Hard Wired
  - Max 16 Zones Wireless (5800 Series)
- Door Chime Function
- 7 User Codes
- 4285 VIP Telephone Module
- Up to 4 Output Relays
- Ademco Local Audio
- Securitel Compatible using Ademco Unistu

## 2. Wiring Diagram



# 3. Programming

## 3.1 Quick Start Programming Sheet

Follow this Guide to set up your Vista 10a with the following options:

- |                            |                                    |
|----------------------------|------------------------------------|
| * 6 Zones Hardwired        | * Back to Base (Ademco Contact ID) |
| * Forced Arming            | * Weekly test Reports              |
| * Quick Arming             | * 30 Secs Entry Time               |
| * 8 Minutes Siren time out | * 45 Secs Exit Time                |

### Field    Entry

#### Enter Programming Mode

Pre Sets	* 9 7
Pre Sets	* 9 6
*20	? ? ? ?
*21	1
*40	? ? ? ?
*41	? ? ? ? ? ? ? ? ? ? ? *
*42	? ? ? ? ? ? ? ? ? ? ? *
*43	? ? ? ?
*45	1
*49	2
*56	Interactive Field
*65	0
*66	0 0
*94	A S R E Q U I R E D *
*95	0
<b>Exit</b>	* 9 9

### Function ( comments )

Press "\*" & "#" within 50 Seconds of Power up OR Enter Installer Code (4111) + "8" + "0"

**Loads Factory Defaults** (Previous programming will be erased) **MUST BE DONE**

**Resets the Subscriber Account number and CSID.** **MUST BE DONE**

Installer Code (Default = 4 1 1 1)

Quick Arm Enable ("1" = Yes, "0" = No)

PABX Code: (Only program for PABX access ie.. dial 0 to get a line)

Primary Phone Number: Enter up to 12 digits (For local Alarms enter \*41\*)

Secondary Phone Number: Enter up to 12 digits (For local Alarms enter \*42\*)

Subscriber ID (Enter 4 digits)

Phone System Select ("1" = Tone Dial, "0" = Pulse Dial)

Periodic Test Report ("2" = weekly test reports, "1" = 24 hourly test reports)

Zone Assignment (see Below)

Open Report Enable ("0" = disable report)

Away/Stay Close Report Enable ("00" = disable report)

Download Phone Number

Ring Detection Count for Downloading ("# 15" = Answering System Defeat)

**Exits Programming mode**

## Zone Assignment

For Zone Programming Enter \*56 then Enter required Zone Number.

Zn	ZT	RC	In :	L
01	01	10	HW:	1

Zn = Zone Number  
ZT = Zone Type  
RC = Report Code  
In = Input Type  
L = Learned RF Input

### ZONE DEFAULTS

Zone 1 = (01) Entry / Exit Burglary #1  
Zone 2 = (04) Interior Follower  
Zone 3 = (03) Perimeter Burglary  
Zone 4 = (03) Perimeter Burglary  
Zone 5 = (03) Perimeter Burglary  
Zone 6 = (03) Perimeter Burglary  
Zone 7 = (06) 24 Hr Silent (\* & #) Panic  
Zone 8 = Duress Enabled  
Zone 9 = (05) Trb Day / Alm Ngt  
Expansion Module Supervision

## Zone Types

### ON IN STAY MODE

Type 01 Entry / Exit Burglary #1  
Type 02 Not Used  
Type 03 Perimeter Burglary  
  
Types 01, 03 are both Chime Zones

### OFF IN STAY MODE

Type 04 Interior Follower  
Type 10 Interior with Delay

### 24 HOUR ZONES

Type 05 Trouble Day / Alarm Night  
Type 06 24 Hour Silent Alarm  
Type 07 24 Hour Audible Alarm  
Type 08 24 Hour Auxiliary Alarm  
Type 09 Supervised Fire

### WIRELESS ONLY

Type 20 Arm - Stay  
Type 21 Arm - Away  
Type 22 Disarming  
Type 23 No Alarm Response

## VISTA-10SEa PROGRAMMING FORM

Local programming requires the use of a 2-line alpha keypad (e.g., 6139) connected to the keypad terminals on the control.

To set all programme fields to ADEMCO default values: Key \* 97.

<b>FIELD FUNCTION</b>	<b>PROGRAMMED VALUES</b>	[ ] = Default Value				
<b>SYSTEM SETUP (*20-*27)</b>						
*20 INSTALLER CODE	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> [4] [1] [1] [1]					
	Enter 4 digits, 0-9.					
*21 QUICK ARM ENABLE	† <input type="text"/> [0]					
	0 = no; 1 = yes					
*22 RF SYSTEM TYPE	<input type="text"/> [0]					
	0 = none; 2 = 5800 System (5881/6128 RF type rcvr).					
*23 FORCED ARM ENABLE	† <input type="text"/> [1]					
	0 = none; 1 = auto bypass open exit route zones prior to arming					
*24 RF HOUSE ID CODE	<input type="text"/> <input type="text"/> [0][0]					
	MUST enter 01-31 for 5827/5827BD Keypad if used in 5800 system.					
*25 EXPANSION/OUTPUT RELAY MODULE	† <input type="text"/> [0]					
	0 = none; 1 = 4219; 2 = 4229; 3 = 4204.					
*26 VOICE MODULE ACCESS CODE	<input type="text"/> <input type="text"/> [0][0]					
	1st digit: Enter 1-9; 2nd digit: Enter only #+11 for '*', #+12 for '#'. 0 in either position = disabled.					
*27 OUTPUT TO ALTERNATIVE COMMUNICATIONS MEDIA (ACM)	† <input type="text"/> [0]					
	0 = no; 1 = yes. If yes selected, dialler reports to PRIMARY No. (field 47) will also be sent via ACM. All dialler and ACM reports will be in Contact ID format (overriding field *46 selection).					
<b>ZONE SOUNDS AND TIMING (*28-*39)</b>						
*28 SINGLE ALARM SOUNDING/ZONE	† <input type="text"/> [0]					
	0 = no; 1 = yes					
*29 FIRE SOUNDER TIMEOUT	† <input type="text"/> [0]					
	0 = fire sounder timeout; 1 = no fire sounder timeout.					
*30 SIREN TIMEOUT	† <input type="text"/> [2]					
	0 = none; 1 = 4 min; 2 = 8 min; 3 = 12 min; 4 = 16 min.					
*38 ENTRY DELAY	† <input type="text"/> [2]					
	0 = 0 sec; 1 = 20 sec; 2 = 30 sec; 3 = 45 sec; 4 = 60 sec; 5 = 90 sec. EXIT Delay = ENTRY Delay + 15 sec.					
*39 AUDIBLE EXIT WARNING	† <input type="text"/> [0]					
	0 = no; 1 = yes.					
<b>DIALLER PROGRAMMING (*40-*50)</b>						
*40 PABX ACCESS CODE	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	NOTE: In fields *40, *41, and *42: Enter 0-9; #+11 for '*'; #+12 for '#'; #+13 for pause.				
*41 PRIMARY PHONE NO.	<input type="text"/>	Enter up to 4 digits if PABX code is needed to access an outside line. If fewer than 4 digits entered, do not fill unused spaces; exit by pressing * (and press 41, if entering next field). To clear entries from field, press *40*.				
*42 SECONDARY PHONE NO.	<input type="text"/>	Enter up to 12 digits. If fewer than 12 digits entered, exit by pressing * (and press 42 if entering next field). To clear entries from field, press *41*.				
*43 SUBSCRIBER ACCT NO. (IS ALSO THE ACM SUBS ACCT NO.)	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> [FFFF]	Enter up to 12 digits. If fewer than 12 digits entered, exit by pressing * (and press 43 if entering next field). To clear entries from field, press *42*.				
	<i>Examples:</i> For Acct No. 1234, enter: <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>1</td></tr><tr><td>2</td></tr><tr><td>3</td></tr><tr><td>4</td></tr></table>		1	2	3	4
1						
2						
3						
4						
	For Acct No. B234, enter: <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>#+11</td></tr><tr><td>2</td></tr><tr><td>3</td></tr><tr><td>4</td></tr></table>		#+11	2	3	4
#+11						
2						
3						
4						

† Entry of a number other than one specified will give unpredictable results.

*45	PHONE SYSTEM SELECT	† <input type="checkbox"/> [0] If Cent. Sta. /S NOT on a satellite link: 0 = Pulse Dial; 1 = Tone Dial If Cent. Sta. /S on a satellite link: 2 = Pulse Dial; 3 = Tone Dial												
*46	REPORT FORMAT	<input type="checkbox"/> [0] Also see field *27. 0 = ADEMCO Contact ID 1 = ADEMCO Local Audio												
*47	SPLIT/DUAL REPORTING	<input type="checkbox"/> [0]      0 = Disable (Backup report only)] <table border="0"> <tr> <td style="vertical-align: top;">TO PRIMARY PHONE NO.</td> <td style="vertical-align: top;">TO SECONDARY PHONE NO.</td> </tr> <tr> <td>1 = Alarms, Restore, Cancel</td> <td>Other Reports</td> </tr> <tr> <td>2 = All Reports except Open/Close, Test</td> <td>Open/Close, Test</td> </tr> <tr> <td>3 = Alarms, Restore, Cancel</td> <td>All Reports</td> </tr> <tr> <td>4 = All Reports except Open/Close, Test</td> <td>All Reports</td> </tr> <tr> <td>5 = All Reports      (<i>Dual Reporting</i>)</td> <td>All Reports</td> </tr> </table>	TO PRIMARY PHONE NO.	TO SECONDARY PHONE NO.	1 = Alarms, Restore, Cancel	Other Reports	2 = All Reports except Open/Close, Test	Open/Close, Test	3 = Alarms, Restore, Cancel	All Reports	4 = All Reports except Open/Close, Test	All Reports	5 = All Reports      ( <i>Dual Reporting</i> )	All Reports
TO PRIMARY PHONE NO.	TO SECONDARY PHONE NO.													
1 = Alarms, Restore, Cancel	Other Reports													
2 = All Reports except Open/Close, Test	Open/Close, Test													
3 = Alarms, Restore, Cancel	All Reports													
4 = All Reports except Open/Close, Test	All Reports													
5 = All Reports      ( <i>Dual Reporting</i> )	All Reports													
*48	15 SEC DIALLER DELAY (BURG)	† <input type="checkbox"/> [0] 0 = no; 1 = yes												
*49	PERIODIC TEST MESSAGE	† <input type="checkbox"/> [0] 0 = none; 1 = 24 hrs; 2 = wkly; 3 = 28 days. Enter Test Code in field *64.												
*51	CONFIRMATION OF AWAY ARMING DING	† <input type="checkbox"/> [0] 0 = no; 1 = yes; 2 = yes, but with RF arming only.												
*52	ZONE 3 RESPONSE TO OPEN	† <input type="checkbox"/> [0] 0 = 400mS nominal; 1 = 10mS nominal												
† Entry of a number other than one specified will give unpredictable results.														
*56	ZONE ASSIGNMENT/ALARM REPORT CODES	(See explanation on next page)												
ZONE DESCRIPTION	ZONE NO. (Zn)	ZONE TYPE (ZT)	ALARM RPT CODE ENABLE (Hex) (RC)	INPUT TYPE (In)	RF INPUT LOOP (L)									
Wired Zone 1	0 1		[01]	[10]	HW —									
Wired Zone 2	0 2		[04]	[10]	HW —									
Wired Zone 3	0 3		[03]	[10]	HW —									
Wired Zone 4	0 4		[03]	[10]	HW —									
Wired Zone 5	0 5		[03]	[10]	HW —									
Wired Zone 6	0 6		[03]	[10]	HW —									
Keypad Panic (* & #, or B)	0 7		[06]	[10]	— —									
Keypad Duress	0 8	— —		[10]	— —									
Tamper	0 9	0 5		[10]	— —									
Keypad Panic (1 & *, or A)	9 5		[00]	[10]	— —									
Keypad Panic (3 & #, or C)	9 6		[00]	[10]	— —									

**WIRED EXPANSION ZONES:** With 4219 or 4229, up to 8 wired zones available.

**RF EXPANSION ZONES:** With 5881L, up to 8 RF expansion zones available; 5881M or 5881H, up to 16.

			ENTER FOR 5800 ONLY		
ZONE DESCRIPTION	ZONE NO. (Zn)	ZONE TYPE (ZT)	ALARM RPT CODE ENABLE (Hex) (RC)	INPUT TYPE (In)	RF INPUT LOOP (L)
Wired or RF	1 <sup>st</sup> Expansion Zone				
	2nd				
	3rd				
	4th				
	5th				
	6th				
	7th				
	8th				

ZONE DESCRIPTION	ZONE NO. (Zn)	ZONE TYPE (ZT)	ALARM RPT CODE ENABLES (Hex) (RC)	INPUT TYPE (In)	RF INPUT LOOP (L)
RF	9th				
	10th				
	11th				
	12th				
	13th				
	14th				
	15th				
	16th				

#### EXPLANATION OF ZONE ASSIGNMENT TABLE:

Zn = ZONE NUMBER

Zone Nos. are from 01 to 63, 95, 96. Some are pre-assigned.

With Field \*22 set for RF, use Zone Nos. 10-63.

ZT = ZONE TYPE

00 = Zone Not Used	04 = Interior Follower	08 = 24 Hr Aux	21 = Arm-Away*
01 = Entry/Exit	05 = Trouble Day/Alarm Night	09 = Fire	22 = Disarm*
02 = Do not use	06 = 24 Hr Silent	10 = Interior w/Delay	23 = No Alarm Response
03 = Perimeter	07 = 24 Hr Audible	20 = Arm-Stay*	

\* 20, 21, & 22 used for 5800 RF systems only.

RC = ALARM REPORT CODE

Two Hex Digits. For each Hex Digit, enter: 00-09 for 0-9, 10 for A, 11 for B, 12 for C, 13 for D, 14 for E, 15 for F. If "00" is entered in the first pair of boxes, there will be no report for that zone.

For Contact ID reporting, this is an enabling code only. Make any hex digit entry (other than "00") in the first pair of boxes. The second pair of boxes will be ignored.

In = INPUT DEVICE

HW: Basic Wired

Enter 3 for RF: Supervised RF (this is the default)

AW: Auxiliary Wired (4219/4229)

Enter 4 for UR: Unsupervised RF

Enter 5 for BR: Button Type RF

L = RF INPUT LOOP Used with 5800 RF Input Devices. Record transmitter input number.

#### TO PROGRAMME SYSTEM STATUS & RESTORE REPORT

##### CODE ENABLES (\*60-\*75):

With ADEMCO Contact ID Reporting: Enter any digit (other than "0") in the first box, to enable zone to report (entries in the second boxes will be ignored).

A "0" (not "#+10") in the first box will disable the report.

##### SYSTEM STATUS REPORT CODE ENABLES (\*60-\*68)

*60 TROUBLE REPORT ENABLE	<input type="checkbox"/>	<input type="checkbox"/>
*61 BYPASS REPORT ENABLE	<input type="checkbox"/>	<input type="checkbox"/>
*62 MAINS LOSS REPORT ENABLE	<input type="checkbox"/>	<input type="checkbox"/>
*63 LOW BATTERY REPORT ENABLE	<input type="checkbox"/>	<input type="checkbox"/>
*64 TEST REPORT ENABLE	<input type="checkbox"/>	<input type="checkbox"/>
*65 OPEN REPORT ENABLE	<input type="checkbox"/>	<input type="checkbox"/>
*66 AWAY/STAY CLOSE REPORT ENABLE	<input type="checkbox"/>	<input type="checkbox"/>
*67 RF XMTR LOW BAT REPORT ENABLE	<input type="checkbox"/>	<input type="checkbox"/>
*68 CANCEL REPORT ENABLE	<input type="checkbox"/>	<input type="checkbox"/>
RESTORE REPORT CODE ENABLES (*69-*75)		
*69 RESTORE REPORT TIMING	<input type="checkbox"/>	
[0 = as zones restore]; 1 = at disarm.		
*70 ALARM RESTORE REPORT ENABLE	<input type="checkbox"/>	
*71 TROUBLE RESTORE REPORT ENABLE	<input type="checkbox"/>	<input type="checkbox"/>
*72 BYPASS RESTORE REPORT ENABLE	<input type="checkbox"/>	<input type="checkbox"/>
*73 MAINS RESTORE REPORT ENABLE	<input type="checkbox"/>	<input type="checkbox"/>
*74 LOW BAT RESTORE REPORT ENABLE	<input type="checkbox"/>	<input type="checkbox"/>
*75 RF XMTR LO BAT RST REPORT ENABLE	<input type="checkbox"/>	<input type="checkbox"/>

#### OUTPUT AND SYSTEM SETUP (\*80-\*92)

Programme \*80 and \*81 only if relays are to be used. See next page.

##### \*80 OUTPUT RELAYS

##### \*81 ZONE LISTS FOR OUTPUT RELAYS

##### \*82 CUSTOM ALPHA EDITING: (Also entered from field \*56.) See procedure in instructions.

\*83 SEQUENTIAL MODE: Used for enrolling transmitters after all other zone information has been programmed. (Also can be accomplished from field \*56.) See procedure in Installation Instructions.

##### \*91 CUSTOM OPTION SELECTION:

[0]

Enter 1 digit:

0 = None selected

4 = AAV (Audio Alarm Verification)

8 = Exit delay restart

C (#12) = AAV + Exit delay restart

##### \*92 REPORTS PER ARMED PERIOD

[0]

0 = 10 max total alarm + alarm restore; 1 = unlimited

#### DOWNLOAD INFORMATION (\*94, \*95)

##### \*94 DOWNLOAD PHONE NO.

Enter up to 12 digits: 0-9; #+11 for '\*'; #+12 for '#'; #+13 for a pause. Do not fill unused spaces. If fewer than 12 digits entered, exit field by pressing \* (and press 95, if entering next field). To clear entries from field, press \*94\*.

##### \*95 RING DET COUNT FOR DOWNLOADING [0]

[0=Disable Station Initiated Download]; 1-14=number of rings (1-9, #+10=10, #+11=11, #+12=12, #+13=13, #+14=14); 15=answering machine defeat (#+15=15)

\*96 INITIALISES DOWNLOAD ID, SUBSCRIBER  
ACCOUNT NO. FOR INITIAL DOWNLOAD.  
No entry required.

\*97 SETS ALL PROGRAMME FIELDS TO ADEMCO  
FACTORY DEFAULT VALUES

### OUTPUT RELAYS WORKSHEET FOR FIELDS \*80, and \*81.

*Applicable only if 4204/4229 relays are to be used.*

Fill in required data and follow detailed programming procedure described in the *RELAY OUTPUTS* section of the Installation Instructions.

#### \*80 OUTPUT RELAYS

- Notes:**
- Field \*25 must be programmed for a 4204 relay module (enter "3") or a 4229 zone expander (enter "2").
  - Tampers or contacts or expansion units cannot be used to operate relays.

OUTPUT RELAY	RELAY ACTION (A)	S T A R T either or both			S T O P either or both		
		EVENT (EV)	ZONE LIST (ZL)	ZONE TYPE /SYST OPN (ZT)	"RESTORE of" ZONE LIST (ZL)	ZONE TYPE /SYST OPN (ZT)	
01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	
02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	
03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	
04	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	

Where: **A = RELAY ACTION** 0 = No Response; 1 = Close for 2 sec; 2 = Close and stay closed; 3 = Pulse on and off

**EV = EVENT** 0 = Not used; 1 = Alarm; 2 = Fault; 3 = Trouble

**ZL = ZONE LIST** 1, 2, or 3 (from Field \*81) or 0 = Not Used.

**START ZONE LIST :** Upon alarm, fault, or trouble of ANY zone on this list, relay action will START.

**STOP "RESTORE of" ZONE LIST:** Upon restore of ALL zones on this list, relay action will STOP.  
It need not be same list as used for START.

#### ZT = ZONE TYPE/SYSTEM OPERATION

Choices for Zone Types are:

- |                              |                       |
|------------------------------|-----------------------|
| 00 = Not Used                | 06 = 24 Hr Silent     |
| 01 = Entry/Exit              | 07 = 24 Hr Audible    |
| 03 = Perimeter               | 08 = 24 Hr Aux        |
| 04 = Interior Follower       | 09 = Fire             |
| 05 = Trouble Day/Alarm Night | 10 = Interior w/Delay |

**Note:** Any zone in "ZT" going into alarm, fault, or trouble will activate relay.  
Any zone of that type that restores will stop relay action.

Choices for System Operation are:

- |                             |                             |                          |
|-----------------------------|-----------------------------|--------------------------|
| 20 = Arming-Stay            | 33 = Any Burglary Alarm     | 39 = Any Fire Alarm      |
| 21 = Arming-Away            | 34 = Code + # + 7 Key Entry | 40 = Bypassing           |
| 22 = Disarming (Code + OFF) | 35 = Code + # + 8 Key Entry | 41 = Mains Power Failure |
| 31 = End of Exit Time       | 36 = At Siren Timeout**     | 42 = System Battery Low  |
| 32 = Start of Entry Time    | 38 = Chime                  | 58 = Duress              |

\*\*Or at Disarming, whichever occurs earlier.

#### \*81 ZONE LISTS FOR OUTPUT RELAYS

Record desired zone numbers. More or fewer boxes than shown may be needed, as any list may include any or all of system's zone numbers.

**Zone List 1:** Started or stopped by zone numbers (enter 00 to end entries).

...etc

**Zone List 2:** Started or stopped by zone numbers (enter 00 to end entries).

...etc

**Zone List 3:** Started or stopped by zone numbers (enter 00 to end entries).

...etc.

# **4. User Functions**

## **Training Module**

INSTALLER CODE (Entered through Address 20)

ASSIGNING the MASTER CODE

- ◆ Installer code + 8 + user (2) + Master code

CHANGING the MASTER CODE

- ◆ Master code + 8 + 2 + New Master code + New Master code

SECONDARY CODES

- ◆ Master code + 8 + user (3,4,5,6) + User code

DURESS CODE (enable via Zone 8)

- ◆ Master code + 8 + user (8) + User Duress code
- ◆ Can be used as a normal User Code, if Zone 8 reporting code is Disabled

DELETING USER CODES

- ◆ Master code + 8 + User to be deleted (3,4,5,6,8)

### **CONSOLE FUNCTIONS**

“Disarming”

- ◆ User Code + Off (“1” key)

“Away” Mode - All points active

- ◆ User Code + Away (“2” key)

“Stay” Mode - Interior type zones bypassed

- ◆ User Code + Stay (“3” key)

“Instant” Mode - Interior type zones bypassed with NO Entry Delay

- ◆ User Code + Instant (“7” key)

“Maximum” Mode - All points active with NO Entry Delay

- ◆ User Code + Maximum (“4” key)

Bypassing zones

- ◆ User Code + Bypass (“6” key) + zone No. (2 digit) to be Bypassed

Removing Bypass

- ◆ User Code + Off (“1” key)

Chime Mode

- ◆ Chime activated by Perimeter Zones (Types 01, 03)
- ◆ User Code + Chime (“9” key) To Turn On and Off

Clearing Alarm Memory

- ◆ Code & Off (twice)

# **5.1 4219 Hard Wired Expansion**

## **Training Module**

**There are three (3) models of Expanders available:**

They are all fully supervised & have a tampered cover.

- **4219 will allow another (8) additional Hard Wired zones.**
- **4229 will allow another (8) additional Hard Wired zones + 2 Output Relays**
- **4204 will allow 4 Output Relays** (Please see separate section for Relay Programming)

### **Expander Installation & Programming:**

- Power Down the Control Panel
- Only **ONE** hard wired module can be used on each System
- Connect the Expansion Module across the console bus.
- Set the dip switches for address “1” (switch 2 OFF & SWITCHES 3, 4, and 5 ON).
- Zone 9 is used for expander supervision & should be programmed as “Zone Type 05”
- The zones on the expander start at 10 through to 17.
- Power Up the Control Panel
- Program Address 25 with the correct type of Expander (1 = 4219, 2 = 4229, 3 = 4204)
- Program All zones through Address “**\*56**”.
- Every Zone (10 – 17) must have a Zone type programmed (Other than “Zone Type 00”)
- All End of Line resistors must be fitted (1K Eolr)
- A Loop Input Type of “2” for AW (Auxiliary wired) must be input.

*Note: After leaving program mode the alarm panel requires a change in state of the alarm contacts to see the zone input. If zones are unsealed when exiting program mode they may not appear as faults on the system*

### **SUITABLE ZONE TYPES**

ON IN STAY MODE	OFF IN STAY MODE	24 HOUR ZONES
Type 01 Entry / Exit Burglary #1	Type 04 Interior Follower	Type 05 Trouble Day / Alarm Night
Type 02 Entry / Exit Burglary #2	Type 10 Interior with Delay	Type 06 24 Hour Silent Alarm
Type 03 Perimeter Burglary		Type 07 24 Hour Audible Alarm
		Type 08 24 Hour Auxiliary Alarm
		Type 09 Supervised Fire

## **5.2 6128RF**

### **Basic Receiver Features**

- 6128 LCD Fixed English Console
- 5881M 16 Channel Dual Diversity Receiver
- 5800TM “Status feedback” transmitter
- One Normally open Programmable Relay

#### **OFFERING: Full 5800 Wireless compatibility**

- ◆ Including
  - 5827BD two- way wireless keypads
  - 5804BD two – way wireless keys
- ◆ Unique supervision & low battery warning by zone (in system mode)
- ◆ Can be used on Controls without Wireless Capability (in Local mode)
- ◆ Offers the same range as a 5881 receiver
  - Nominally 60m
- ◆ End Users can disable lost 5804's

# **6128RF Local Mode Programming**

## **Training Module**

### **Key Points:**

- Use local mode when adding wireless Keypads or wireless keys to an Ademco control that does not support wireless.
- Wireless keys enrolled into the 6128RF console are called 'local keys'
- Local keys are enrolled directly into the 6128RF
- The unique serial No. of each key is learnt into the 6128RF
  - Thus maintaining the added security that unique encoding offers
- Local keys do not occupy zones of the control.
- Up to 8 wireless Local keys may be programmed into the 6128RF
- Local mode passes signals from wireless keypads and keys to the control as console data (as though keys were pressed on a hardwired console)
- Local keys are not supervised for low battery conditions.
- Local keys are assigned as a usercode and limited to number of user codes available on the panel(10A – 7 user codes, 20SEA – 8 user codes)

### **Install the Unit:**

- Connect the 6128RF across the Console Bus as you would a standard 6128 or 6139 console
- Program User codes into the system
  - This is important as the 6128RF transmits valid user codes to the panel when a 5804 is used.
  - If the user code is invalid the 5804 will not operate.

### **6128RF System Programming**

1. Keypad Address (31)
2. Receiver Address (0)
3. House ID (10)
4. House ID Source (System)
- 5. Local Key Programming**
6. Receiver (System)
7. Transmitter Module (Enabled)
- 9. Factory Defaults Keypad**

### **To Default 6128RF**

- The 6128RF comes with a set of pre-programmed default values
- Within 30 Secs of powering up the 6128RF, hold down the 1 & 3 keys to enter keypad program mode
  - "00" and “—“ will be flashing on the display
  - Press "9". The display will flash EE.
  - Press "1" to restore the default values or press any other key to exit without restoring the default values.
  - If "1" was pressed, the keypad will beep 3 times, If any other key is pressed no sound will be heard times and the display will return to flashing "00" and “—“.
  - Press "\*" to exit 6128RF programming mode

# **6128RF Local Mode Programming Cont....**

## **To Add Local 5804 Keys To 6128RF**

### **Enter 6128RF Programming:**

- Within 30 Secs of powering up the 6128RF, hold down the 1 & 3 keys to enter keypad program mode
- “00” and “—“ will be flashing on the display
- Press “5” on console to enter Local key programming
- “d-“ will be flashing on the display
- Select the wireless key device No. to program (1 – 8)
- “d1, d2” etc will be displayed depending on the device selected

#### **Local Key Programming (Option 5):**

1. Serial No. Programming
2. 4 Digit User Code
4. Program Loop Number function
5. Relay Action

### **Serial Number Programming**

- Press “1” on console to enrol 5804 Serial Number. “bL” will be flashing on the display
- Press any button on the 5804 to enrol the S/N. “bL” followed by the S/N will be displayed. Press \* to continue to use code programming.

### **User Code Programming**

- “d1” will be displayed. Press 2 to assign four-digit user code to the device. “u4” will be displayed.
- Enter a 4-digit user code that has already been assigned to the system. Press \* to continue.
- Keypad returns to device number entry prompt (d1-d8)

# **6128RF Local Mode Programming Cont....**

## **Loop Number Functions**

- Press “4” on console to program the loops system function. “A-“ will be displayed.



## **Loop Defaults**

- 1 Relay 2 Sec**
- 2 Disarm system**
- 3 Away Arming**
- 4 Stay Arming**



- Enter the loop number (button No.) (1-4)  
**(If you wish to erase a loop's (button's) system function, enter loop (button) number then “0” until 2 beeps are sounded then press \* to continue)**
- Enter the desired function for that loop (button) from the chart below

### **Function Options:**

1 = Disarm  
2 = Arm-Away  
3 = Arm Stay  
4 = Arm Max  
7 = Arm Instant  
# 99 = Panic (\* and #)

- Press \* to end. “A-“ will be displayed
- Repeat the procedure for all loops (buttons)
- Press \* to continue (Display will return to D1-D8)

# **6128RF Local Mode Programming Cont....**

## **Relay Programming**

- “d1” will be displayed. Enter “5” on console, if the on board relay is to be programmed.
- “o –“ will be displayed
- Enter the loop number (button number) that will drive the relay from the pictures on the previous page.
- Then select the relay action from the chart below:

### **Relay Action**

- 0 = no action
- 1 = relay off
- 2 = relay on
- 3 = relay toggle on and off (clutch relay)
- 4 = closed for 2 seconds

- If further 5804's are to be added press \* until (d –) is displayed and then select the next device number and step through from ‘Serial number programming’.
- When completed exit console program mode by pressing \* until the normal keypad status is displayed.

## **To Delete Remote Keys**

Three Options are available:

- 1Disable key in User Mode (See End user programming)
- 2Over write Remote key serial number (See procedure above)
- 3Default 6128RF Console
- 4At the “bl” prompt in serial number programming, for the appropriate user, pressing the # key erases the serial number

# **6128RF User Programming**

## **Training Module**

### **End User Programming**

- Allows End User to enable or disable wireless keys that have been programmed as local keys
- Ideal if a user loses a wireless key

### **Enter User Programming**

- Ensure Console has been powered up for at least one minute
- Press 1 & 3 Keys simultaneously for a few seconds
- The display will show “d E” & “-“ flashing alternately
- Enter device Number (1-8).
  - This corresponds to the device No used in Local programming
- The display then shows “d & the device No (1-8)” + (“1” or “0”) flashing
- 1 = Enabled 0 = Disabled All wireless keys are defaulted to 1 (enabled)
- Enter 1 to enable or 0 to disable the key.
- Press \* to accept the entry
- Repeat the procedure for all wireless keys you wish to change the status.
- Press \* again to exit User mode

## **5.3 5882 Wireless Expansion Training Module**

**There are three (3) models of 5882:**

- **5882L will permit up eight (8) additional RF zones.**
- **5882M will permit up to sixteen (16) additional RF zones.**
- **5882H will permit up to sixteen (16) additional RF zones.**

- Only **ONE** Wireless Receiver can be used on each System
- Connect the 5882 (radio receiver) across the console bus.
- If mounted in the Control panel ensure:
  - Earth Mounting Lugs are used
  - Connecting cable supplied is run around the Control panel Board
- Set the 5882 dip switches for address “0” (all switches OFF).
- Program Address “**\*22**” for RF System Type (Enter “**2**” for 5800 Series Radio)
- Program Wireless zones through Address “**\*56**”.
- Zone 9 is used for expander supervision & should be programmed as “Zone Type 05”
- The zones on the expander start at Zone 10.

### **“ZONE TYPES”**

<b>ON IN STAY MODE</b>	<b>OFF IN STAY MODE</b>	<b>24 HOUR ZONES</b>	<b>WIRELESS ONLY</b>
Type 01 Entry / Exit #1	Type 04 Interior Follower	Type 05 Trb Day / Alarm Night	Type 20 Arm - Stay
Type 02 Entry / Exit #2	Type 10 Interior with Delay	Type 06 24 Hour Silent Alarm	Type 21 Arm - Away
Type 03 Perimeter Burglary		Type 07 24 Hour Audible Alarm	Type 22 Disarming
		Type 08 24 Hour Auxiliary Alarm	Type 23 No Alarm Response
		Type 09 Supervised Fire	

### **“INPUT DEVICE”**

“RF” = 3 is initially displayed for all supervised Transmitters (eg. Pirs, Smokes, Reeds)  
“UR”= 4 for Unsupervised transmitters that can be carried off premises (eg. Panic Buttons)  
“BR” = 5 for Button style transmitters that cannot be supervised (eg. 4 button remotes)  
**Check the Instructions that come with the transmitter for the correct input.**

### **LEARN S/N?**

- Enter required loop number
- If **1** for Yes is entered, console will display, “TRANSMIT NOW”
- Activate the transmitter (Do not use tamper switch)
- Wait 2 second & reactivate transmitter
- The console should emit two short beeps
- The console will then display the Transmitter ID Number & Loop number

- **The Serial Number can also be entered manually**
- **The Panel must see 2 consecutive transmissions from the same transmitter**

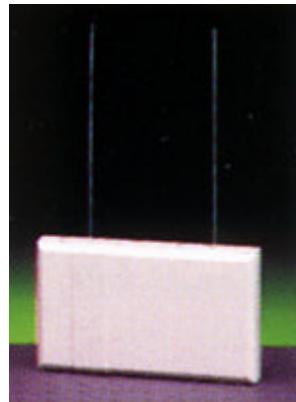
# **5882 Wireless Expansion cont....**

## **Training Module**

### **RANGE TESTING**

- Enter GO/NO GO test mode 4111 (Installer Code) # 4
- Ensure radio receiver is placed in the correct location  
**(Do not fit receiver until Range Test successfully completed)**
- Check receiver LED for interference
- After range Testing enter “Code” + “OFF” to exit test mode.

**RANGE TEST EACH TRANSMITTER LOCATION**  
**(Must be performed prior to Fitting Off)**



# **5804 Four Button Remote Training Module**

- Connect 5882 wireless receiver across the console bus.
- Set the 5882dip Switches for address “0” all switches OFF)

## **Enter Panel Programming**

- Select zone number 10 or higher
- Learn in 5804 buttons to system
- Program address \*22 and enter “2” for 5800 series wireless
- Go to address \*56
- Each Button is a separate zone. (Max 4 Zones per Remote)
- Select Input Type as “5” = “BR” for Button style transmitters that cannot be supervised
- It is advisable to mark the Key with the first zone number, so they can be identified when required
- To avoid “check” conditions, Loop 4 must be programmed into the system
- Program address \*51 and enter “2” if Away Arming Ding is required for RF arming only.



### Suitable Zone Types:

Type 06 24 Hour Silent Alarm  
Type 07 24 Hour Aud. Alarm  
Type 08 24 Hour Aux. Alarm  
Type 09 Supervised Fire

Type 20 Arm - Stay  
Type 21 Arm - Away  
Type 22 Disarming  
Type 23 No Alarm

# **5804 Wireless Bi Directional Remote Training Module**

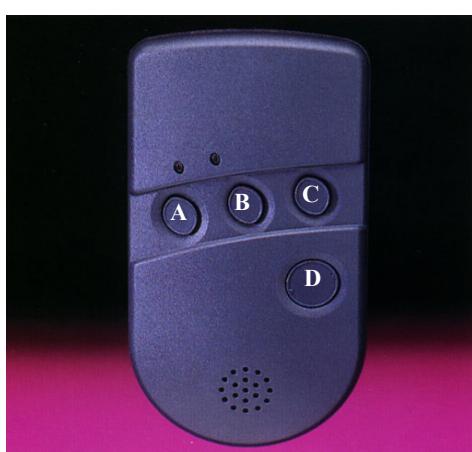
- Connect 5882 wireless receiver across the console bus.
- Set the 5882 dip Switches for address “0” all switches OFF).
- Connect the 5800 TM to the console bus of Partition 1. The 5800 TM must be mounted outside of the Control Panel Cabinet No addressing of the 5800 TM is required.

## **Enter Panel Programming**

- Program location \*22 and enter “2” for 5800 series wireless
- Program location \*24 and program the RF house ID. 2 digit entry is required. (Between 01-32)
- Go to location \*56 and learn in 5804BD buttons to the system.
- Each Button is a separate zone. (Max 4 Zones per Remote)
- Select Input Type as “5” = “BR” for Button style transmitters that cannot be supervised
- To avoid “check” conditions, Loop C must be programmed into the system.
- To program the following Panic functions, Enable Zones 7 & 95 respectively in Address \*56
  - **A & C Keys** = \* & # Panic Function (Zone 7)
  - **B & D Keys** = 1 & \* Panic Function (Zone 95)

## **Enter 5804 Programming**

- Programming of the “House ID” into the 5804BD is required to identify the 5804BD into the system
- Hold down the A, B and C until the green and red leds blink alternately
- To view horse ID press the “D” button
- Enter the house ID by using the “A” button as the tens digit and the “B” button to the ones digit
- Accept the entry by pressing the “D” button



### Suitable Zone Types:

Type 06 24 Hour Silent Alarm  
Type 07 24 Hour Aud. Alarm  
Type 08 24 Hour Aux. Alarm  
Type 09 Supervised Fire  
Type 20 Arm - Stay  
Type 21 Arm - Away  
Type 22 Disarming  
Type 23 No Alarm

# **5827 Wireless Keypad**

## **Training Module**

- Connect 5882 wireless receiver across the console bus.
- Set the 5882 dip Switches for address “0” all switches OFF).

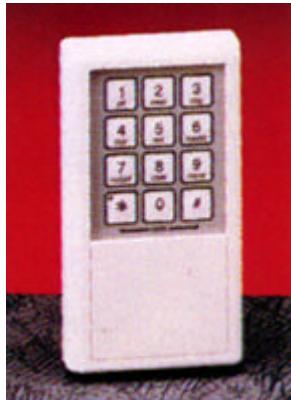
### **Enter Panel Programming**

- Program location \*22 and enter “2” for 5800 series wireless
- Program location \*24 and program the RF house ID. 2-digit entry is required. (Between 01-32)
  - It is advisable that House Codes 01, 10 & 31 not be used as these are most frequently used by Installers not doing a House ID sniffer mode test.

### **5827 Programming**

- Set the “House ID” code as programmed in Address \*24, onto the Dip switches fitted in the 5827

**(Battery must not be connected when setting house ID, Apply battery after dip switches are set)**



# **5827 Bi Directional Wireless Keypad Training Module**

- Connect 5882 wireless receiver across the console bus.
- Set the 5882 dip Switches for address “0” all switches OFF).
- Connect the 5800 TM to the console. The 5800 TM must be mounted outside the Control Panel cabinet. No addressing of the 5800 TM is required.
- The three buttons across the top can be used for Fire, Panic, Emergency type Events.

## **Enter Panel Programming**

- Program location \*22 and enter “2” for 5800 series wireless
- Program location \*24 and program the RF house ID. 2 digit entry is required. (Between 01-32)
  - It is advisable that House Codes 01, 10 & 31 not be used as these are most frequently used by Installers not doing a House ID sniffer mode test.

## **Enter 5827BD Programming**

- A number of system functions must be programmed into the 5827BD.
- After the battery is fitted to the 5827BD, power the unit up by pressing the \* key. The yellow LED should blink.
- Enter console programming mode by depressing **1** and **3** simultaneously. The red and green LED's will blink alternately.
- The systems 4 digit Master Code must be programmed by pressing \* **8** then the 4 digit code and #.
- A Quick Key function for Arm, Disarm and Chime may be programmed by entering \* **1** then the 4 digit code and #; or a Quick Key function of Arm and Chime but *not* Disarm by entering \* **2** then the 4 digit code and #.
- The systems House ID must be programmed by entering \* **9** and then the 2 digit House ID then #.
- The systems RF type must be programmed by entering \* **5 8** for 5800 and then #.
- Exit program mode by entering \* #.



# **5.4 4285 Voice Interactive Phone Module**

## **Training Module**

- Do not mount the 4285 inside the cabinet door above the control panel PCB.
- Connect 4285 Voice Interactive Phone module across the console bus.
- Connect the panel to the “C Com” jack on the 4285 line interface using the cable supplied with the 4285.
- Take the cable previously used for the “mode 3” connection, and connect directly to “Wall” jack on the 4285.

### **Enter Panel Programming**

- Program Address “**\*26**” for the required Voice Module access code.
  - The first digit must be programmed within the range of 1-9
  - The second digit must be a \* (# + 11) or # (# + 12).
- Program Address “**\*95**” to set the ring detection system.
  - 1-14 = number rings
  - 15=answering machine defeat.
- To access the VIP module, either dial up the system, using the number of rings programmed in location **\*95** or pick up your touch tone phone and dial the phone code.



# 5.5 4204 Relay Programming

## Training Module

- Connect the Relay module across the console bus.
- Set 4204's DIP switch to device address 01 (switch 2 OFF and switches 3, 4, and 5 ON). Switch 1 determines the unit's cover tamper response (ON= disabled, OFF=enabled).
- Program Address “\* 25” with a 3 for a 4204 (4 Output relay module)
- Enter \* 8 0 to move to “DEVICE PROGRAMMING”.
- The console will display “ENTER DEVICE No.”
- Enter the specific relay number 01, 02, 03, or 04 (The 4204 has 4 relays)
- Press \* and the console will display a summary START screen.
- Press \* and the console will display a summary STOP screen.
- Press \* to move to “DEVICE ACTION” then enter 0 = not used, 1 = close for 2 secs, 2 = stay closed, or 3 = pulse on/off.
- Press \* to move to “START EVENT” then enter 0 = not used, 1 = alarm, 2 = fault, 3 = trouble, or 4 = restore.
- A Zone List must be used in conjunction with an event. If a zone type/system operation is to be used instead of an event, enter 0.
- Press \* to move to “START ZN LIST”. If a zone list is to be used to START the relay action, enter the zone list number (1 to 3) (to be programmed in field \*81) or 0 if a zone list is not being used.
- Press \* to move to “START ZN TYP” then, if a zone type/system operation is being used, enter the appropriate 2-digit code as listed below.

### Choices for Zone Types

00 = No Response (Not used)  
01 = Entry/Exit # 1  
02 = Entry/Exit # 2  
03 = Perimeter  
04 = Interior Follower  
05 = Trouble Day/Alarm Night  
06 = 24Hr Silent  
07 = 24Hr Audible  
08 = 24Hr Aux  
09 = Fire Alarm or Trouble  
10 = Interior w/Delay  
24 = Silent Burglary

### Choices for System Operation

20 = Arming Stay  
21 = Arming Away  
22 = Disarming (Code+Off)  
31 = End of Exit Time  
32 = Start of Entry Time  
33 = Any Burglary Alarm  
36 = \*\*At Bell Timeout \*\*\*  
38 = Chime  
39 = Fire Alarm  
40 = Bypassing  
41 = \*\*AC Power Fail

42 = \*\*System Battery Low  
43 = Communication Failure  
52 = Kissoff  
58 = Duress  
\*\* Use 0 (any) for Partition No. (P) entry  
\*\*\* Or at Disarming, whichever occurs earlier)

Press \* to move to “STOP ZN LIST”. If a zone list will be used to STOP, or restore, the device action enter the zone list number, 1, 2 or 3 (to be programmed in \*81 mode). If not used enter 0.

Press \* to move to “STOP ZN TYP” then, if a zone type/system operation is being used, enter the appropriate 2-digit code as listed above.

Press \* to move to the “START” summary and if correct, press \* to move to the “STOP” summary and if correct, press \*.

Console will display “ENTER DEVICE No.” so that the next device may be programmed. If there are no more, Enter **0 0** to quit.

If a zone list is to be used, enter \*81.

Console will display “ZONE LIST No.”, then enter specific zone list 01, 02, or 03.

Press \* to display “ENTER ZN NUM.”, enter the two digit zone number and press \* to move to the next zone to be included in this zone list.

After all zone lists have been entered press **0 0** to quit.

Press \* to move to the next prompt, “DELETE ZN LIST”, enter **0** to save the list or **1** to delete and return to the “ZONE LIST No.” prompt.

If all zone lists have been entered, press **0 0** to quit.

# **6.0 Servicing**

## **Training Module**

### **KEYPAD ADDRESS:** (should be address 31)

- Press 1 & 3 keys for 5 seconds within 30 seconds keypad power up
- Set to address: 31
- Press \* to save & exit

### **CHECK CONDITIONS:**

Zone 9 Indicates communication between control & a zone expander or wireless receiver is interrupted, or receiver supervision failure, or Tamper has been activated on A Relay Output Module (4204)

Fire zones: Indicates an Open circuit

Wireless zones: May be caused by some change in the environment preventing the receiver from receiving signals from that particular sensor OR that the transmitter's tamper has been activated

### **LOW BATTERIES:**

Low battery & zone number indicates a low battery in the wireless sensor displayed

Low battery & "00" zone number indicates the a low battery in a 5827 or 5827BD wireless console.

Low battery & no zone number indicates the system's main battery is weak & the System may be difficult to disarm, if in alarm

**COMM FAILURE (FC)** - A communication failure has occurred

**OPEN CIRCUIT (OC)** - The keypad is not receiving signals from the control & sees an open circuit

E4, E8      - To many wireless zones for receiver  
                ie more than 8 on 5882L = E4  
                more than 16 on 5882M = E8

bF            - Long range radio enabled. Go to location \*27 and enter "0" to dissable

### **VOLTAGES**

- A/C volts should be 16.5VAC
- D.C. Volts across the battery leads (no battery fitted) should be 13.6- 13.8 Dc

# **Servicing cont....**

## **Training Module**

**IMPORTANT  
REFER TO SECTION 10. SPECIFICATIONS & ACCESSORIES  
(Page 36 of 10a Manual)**

### **CONSOLE PANICS**

\* & # Zone 07  
1 & \* Zone 95  
3 & # Zone 96

### **CONSOLE SOUNDER MIMIC**

Mimics the console beeps for AWAY/STAY arming and OFF commands via an internal piezo sounder.

Red armed LED  
Arm = Continuous  
Stay = Flashing

Green ready LED  
On = System ready to arm

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